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CA 516-2-1X

DECLASSIFIED UNDER AUTHORITY OF THE
INTERAGENCY SECURITY CLASSIFICATION APPEALS PANEL,
E.O. 13526, SECTION 5.3(b)(3)

ISCAP APPEAL NO. 2011-064, document no. 58
DECLASSIFICATION DATE: December 19, 2013

BRIEFING SLIDES

SLIDES 1 THRU 53

SPECIAL HANDLING REQUIRED
NOT RELEASABLE TO FOREIGN
NATIONALS.

~~GROUP 1
Excluded from automatic
downgrading and declassification.~~

OATSD(LA) CONTROL NUMBER

567-0490-2r1

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DI-67-12063

AREAS OF OPERATION

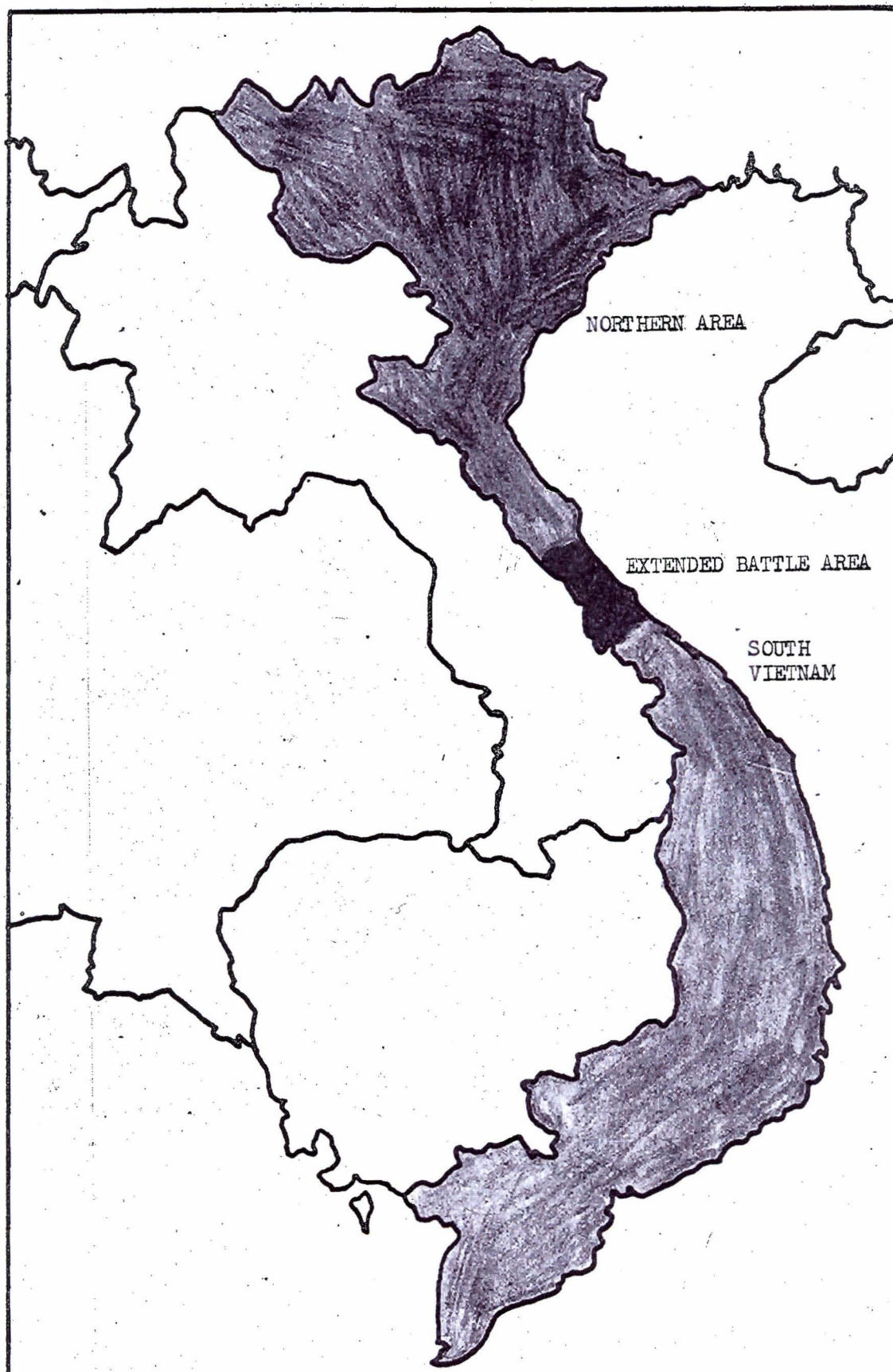
* SOUTH VIETNAM

* NEAR DMZ

* NORTHERN PART OF NORTH VIETNAM

Slide 1

AREAS OF OPERATION



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3

TYPICAL DAY

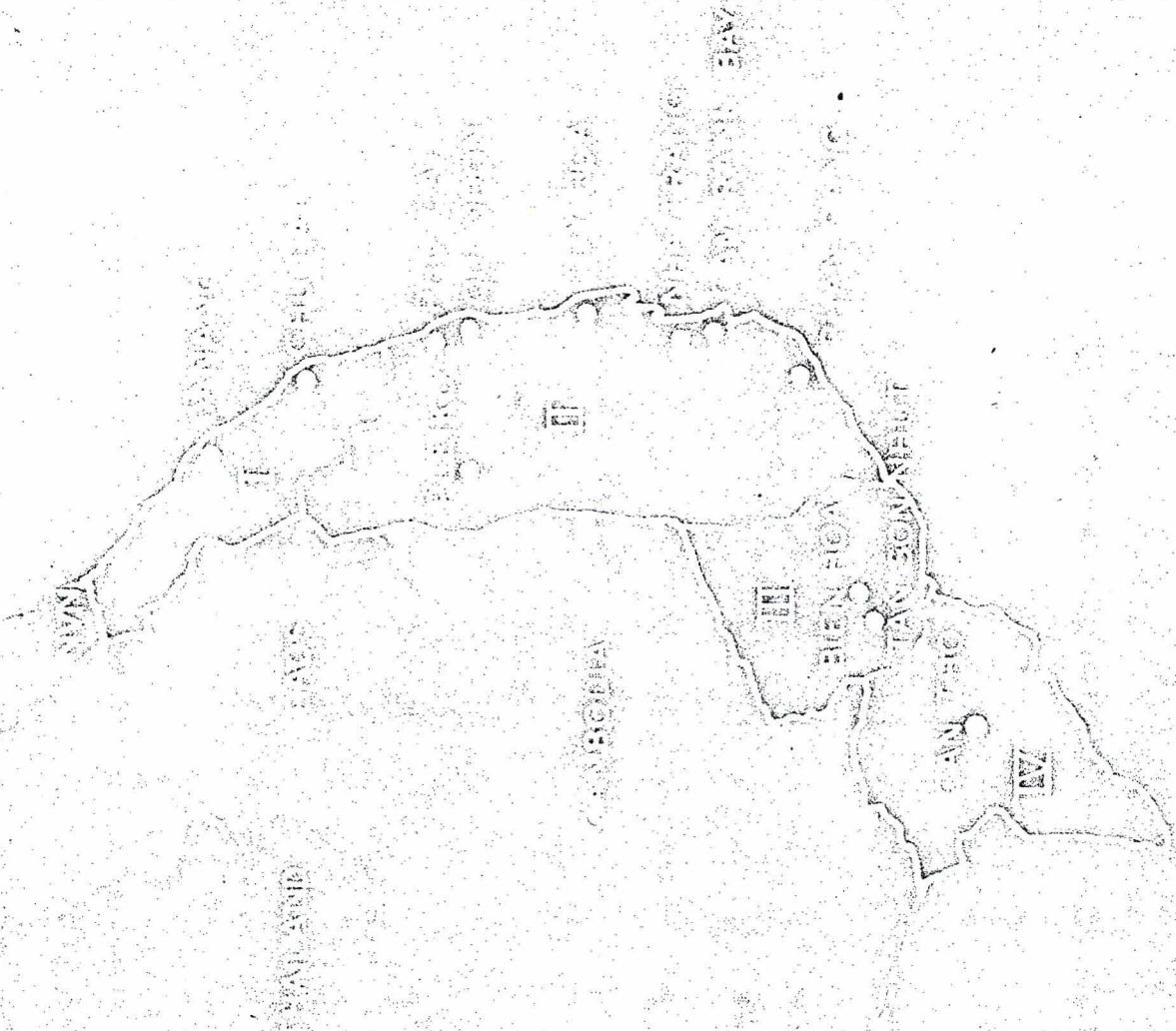
SOURCES

338

212

108

658



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3

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AIR SUPPORT OF MAJOR GROUND OPERATIONS

OPERATION	SORTIES	ENEMY KIA *
HASTINGS/PRAIRIE	7313	2221
PAUL REVERE I-IV	1818	2808
ATTLEBORO	1571	1106
CEDAR FALLS	1246	720
ENTERPRISE	502	1024
MALHEUR I-II	543	502
LAMSON 54	58	342
LIEN KIET 81	60	423
THAYER II	2184	1757
PERSHING	2950	1968
JUNCTION CITY	4161	2728
FAIRFAX	948	866
PALM BEACH	189	570
BYRD	843	605
FRANCIS MARION	2146	682
ADAMS	204	491
SAM HOUSTON	2184	733
ALA MOANA	1229	382
TOTAL	<u>30,149</u>	<u>19,928</u>

* ALL WEAPONS

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ARC LIGHT

JUN 65 TO JAN 67

SORTIES	6,486
TONNAGE	117,070

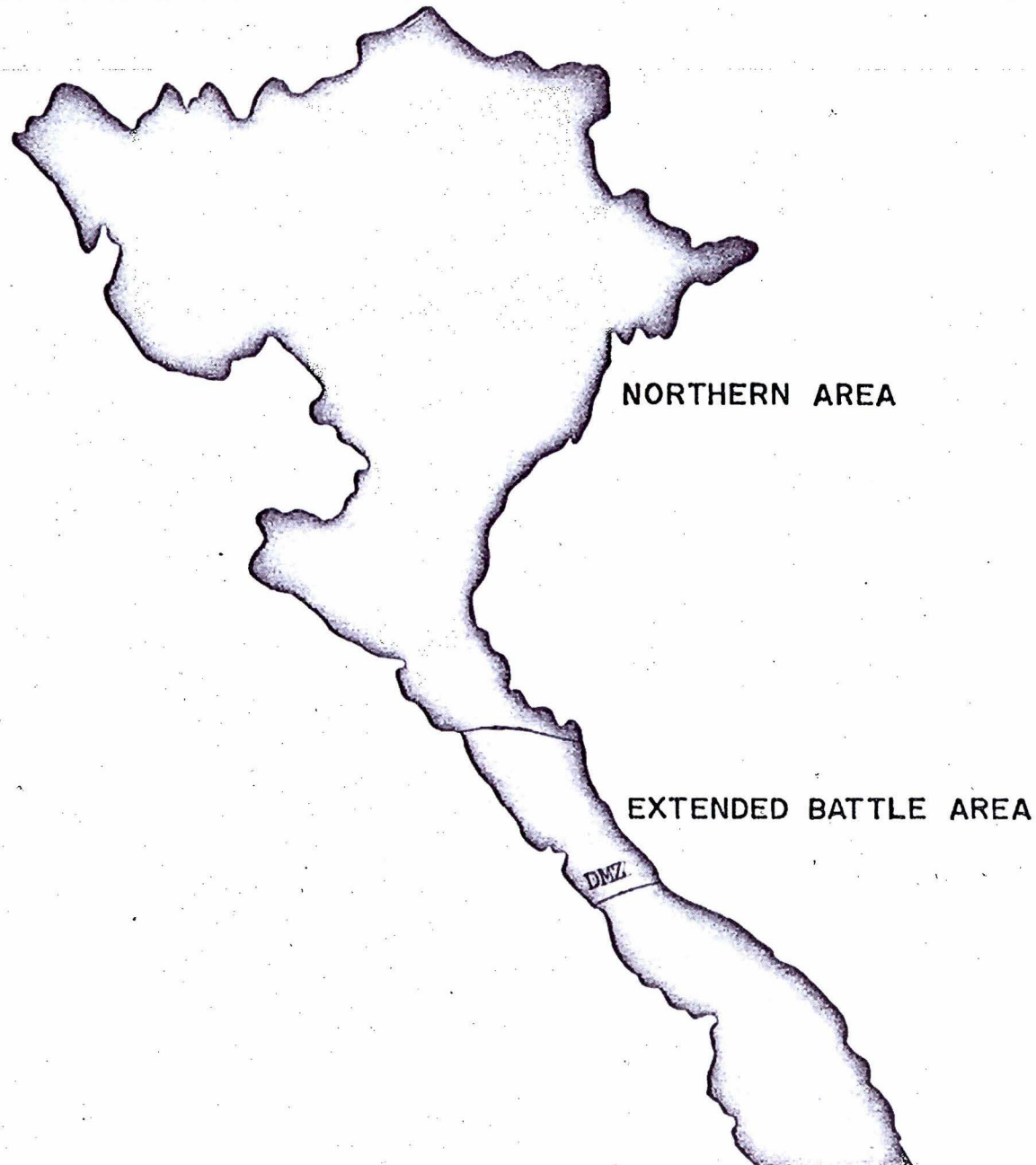
SINCE 1 JAN 67

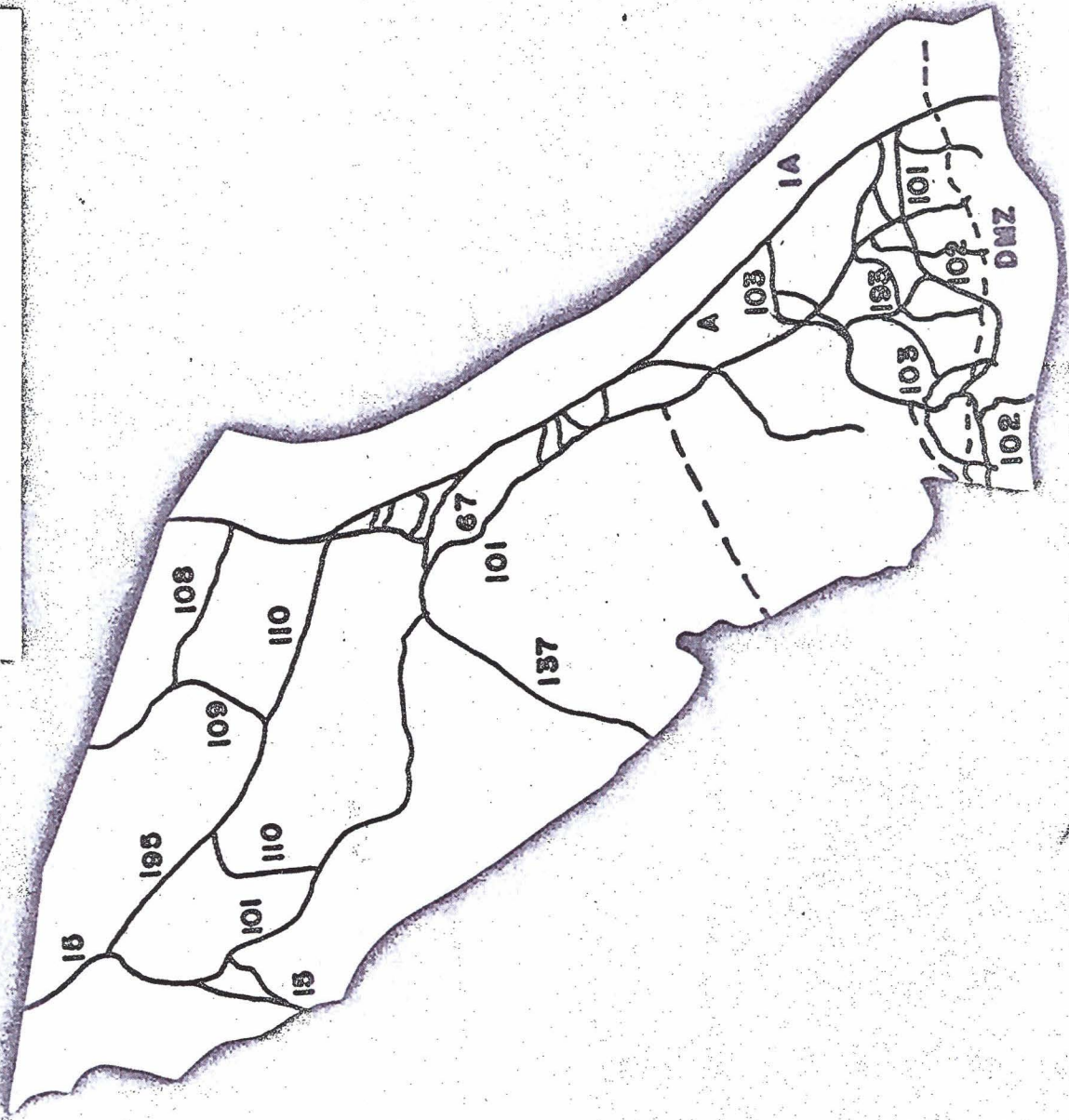
SORTIES	6,362
TONNAGE	143,477

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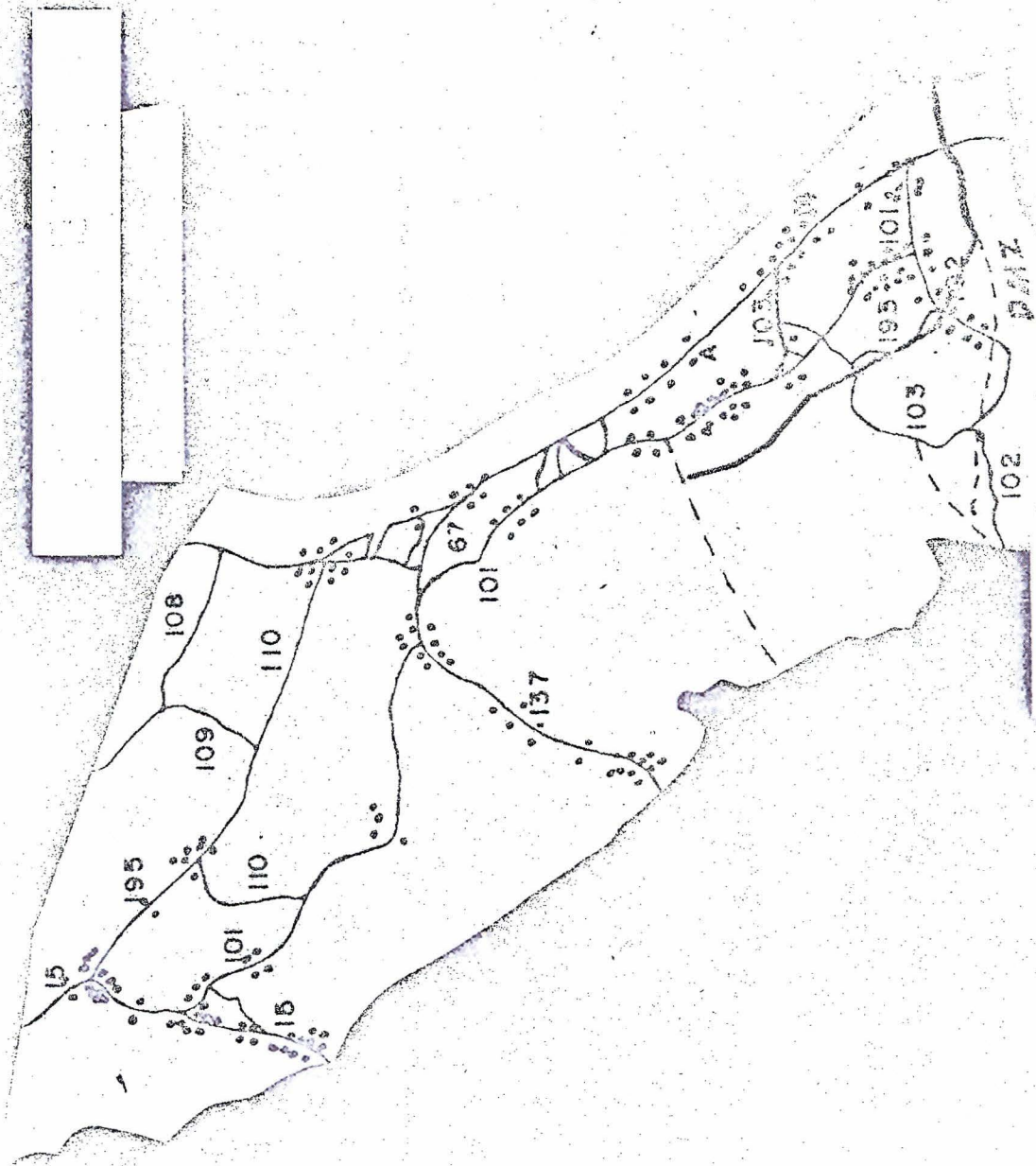
SLIDE 5

OPERATIONS IN NORTH VIETNAM





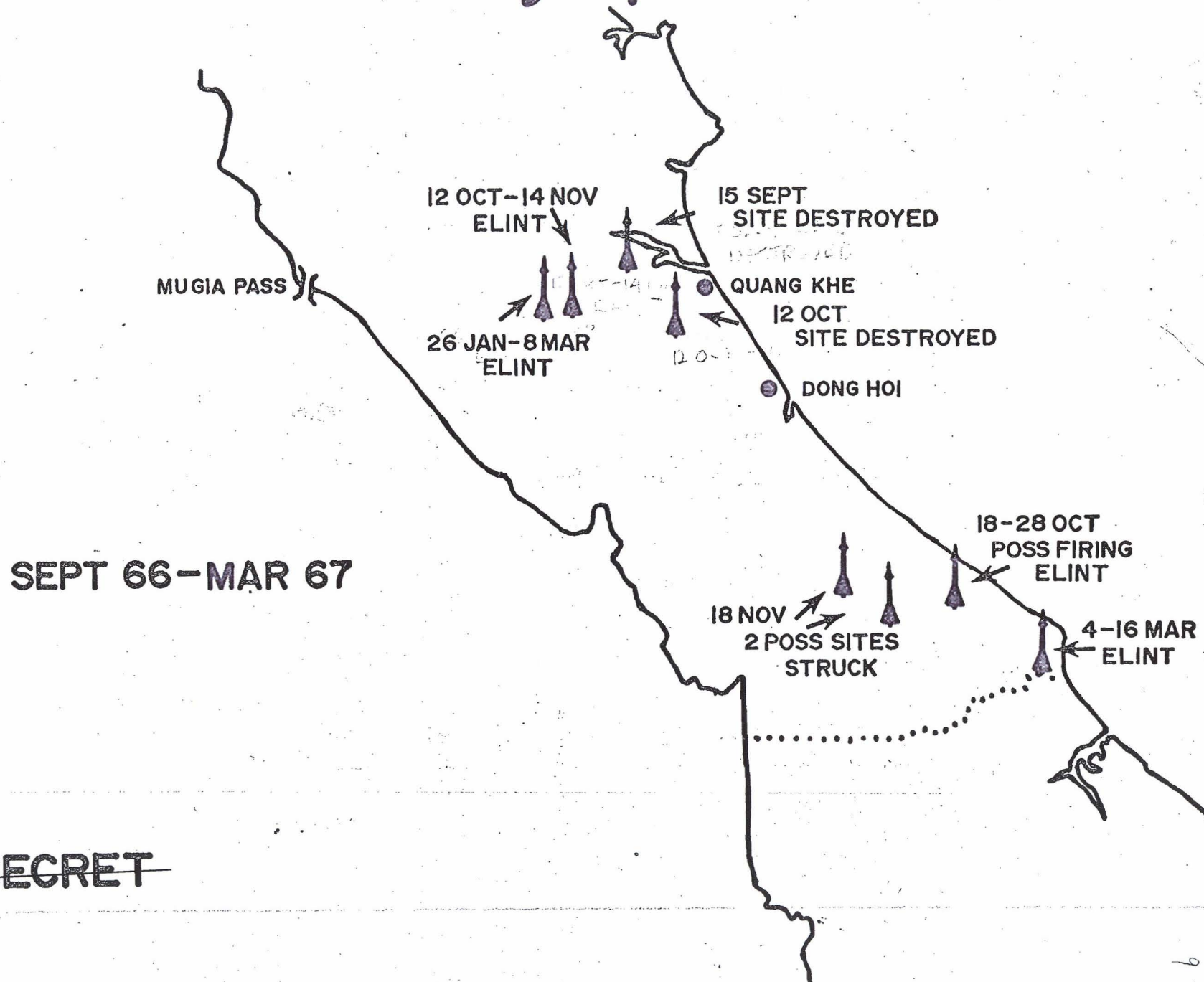
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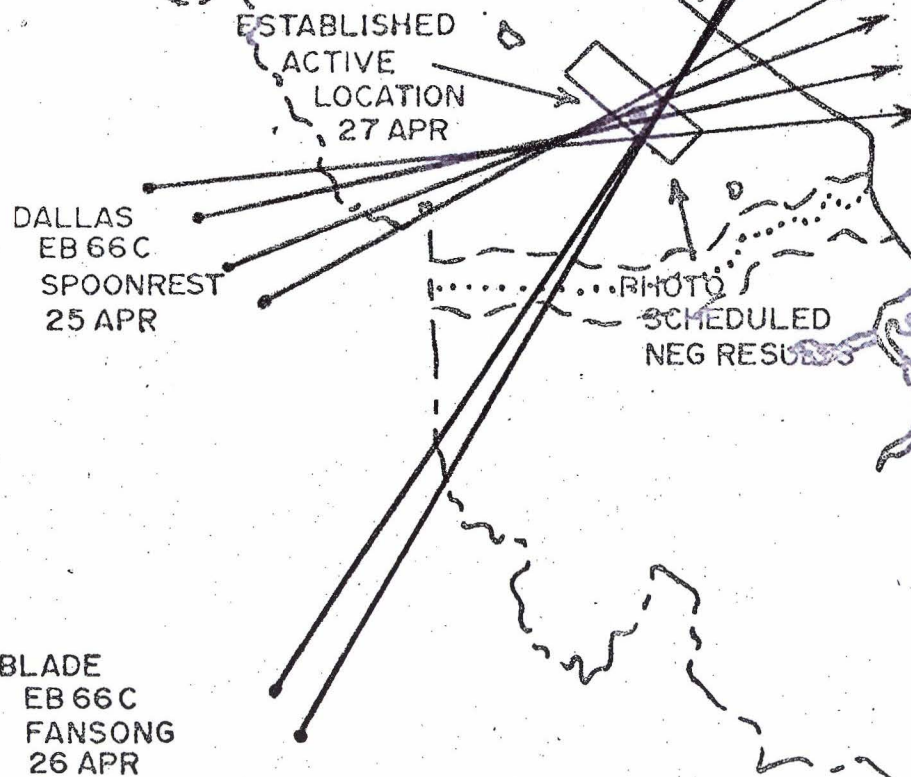
SLIDE 9

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ELINT

25-27 APRIL



SECRET

28 APRIL

SECRET

ESTIMATED ACTIVE LOCATION
PHOTO LOCATION

BARRACUDA
F-105F
3 RINGS S-BAND TWS
28 APR - 1342H

BISON
EB-66C
FANSONG
28 APR
1329H - 1341H

BISON
SPOONREST
1331H - 1343H

INTERCEPTED BY NR 4
OPERATOR ON BISON
(POSS. A DIFF FANSONG)
1340.5H

INTERCEPTED BY NR 3
OPERATOR ON BISON
1340.5H

B-52 VECTOR

SLIDE 11

SECRET

CONFIDENTIAL

RIGHT TRUCK CRANE

LAUNCHER

LAUNCHER

LAUNCHER

LAUNCHER

LAUNCHER

CONFIDENTIAL CPT

134 STRIKE SORTIES

Slide 12

CONFIDENTIAL

LAUNCHERS

LAUNCHER

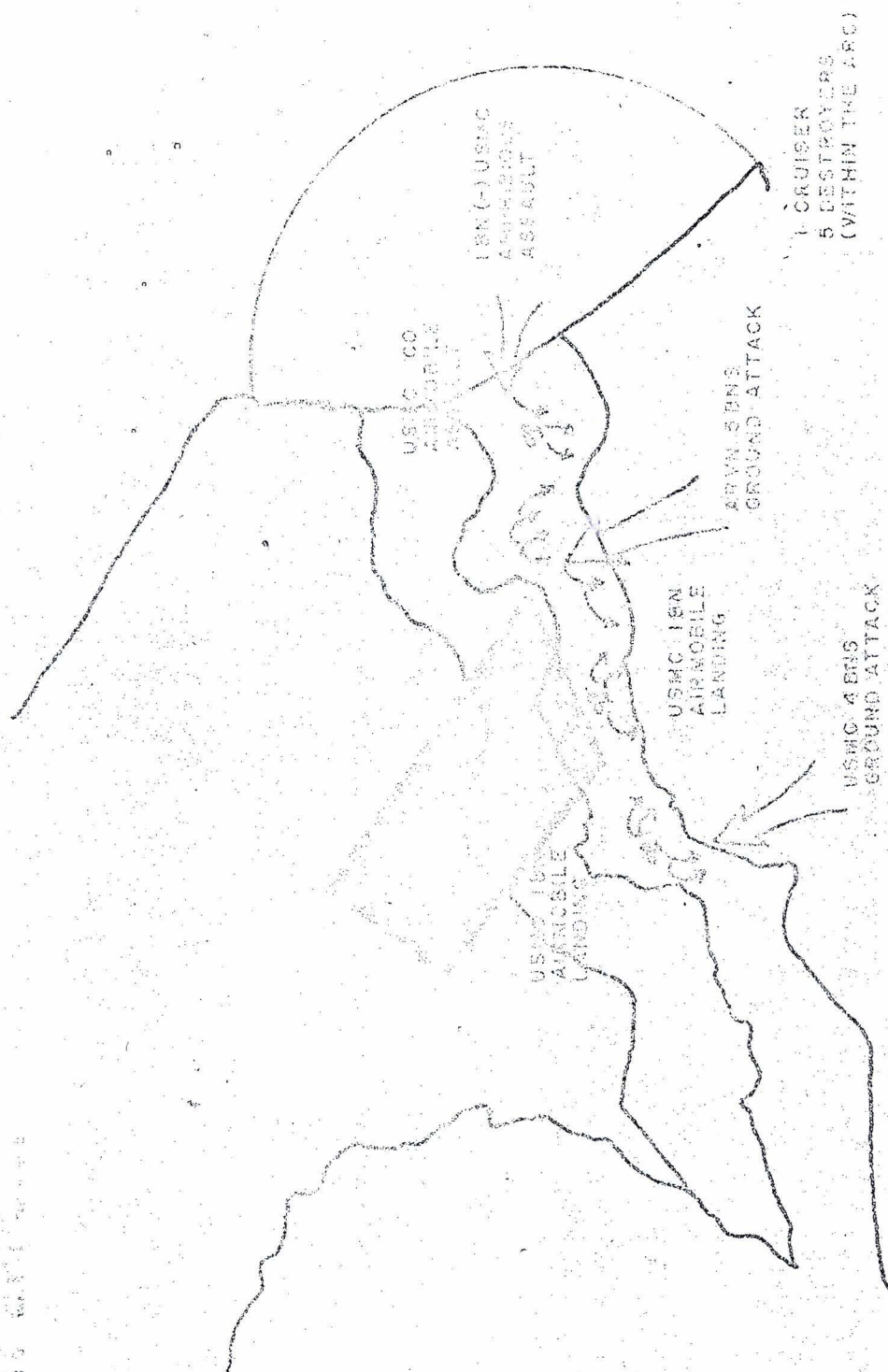
LAUNCHER

DEST LAUNCHER

DEST MSU

Slide 13

SECRET



SLIDE 14

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15

18 AUG 1967



AIR FORCE 30

(B-52)

AIR FORCE 84

(TACTICAL)

MARINE 41

NAVY 49

TOTAL 204

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SLIDE 15

15

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ARC LIGHT SORTIES
AUGUST

NVN

DMZ

SVN

B-52
SORTIES
232

TONS ORDNANCE EXPENDED
5,776

DMZ TARGETS

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TECHNICAL TEMPLATE

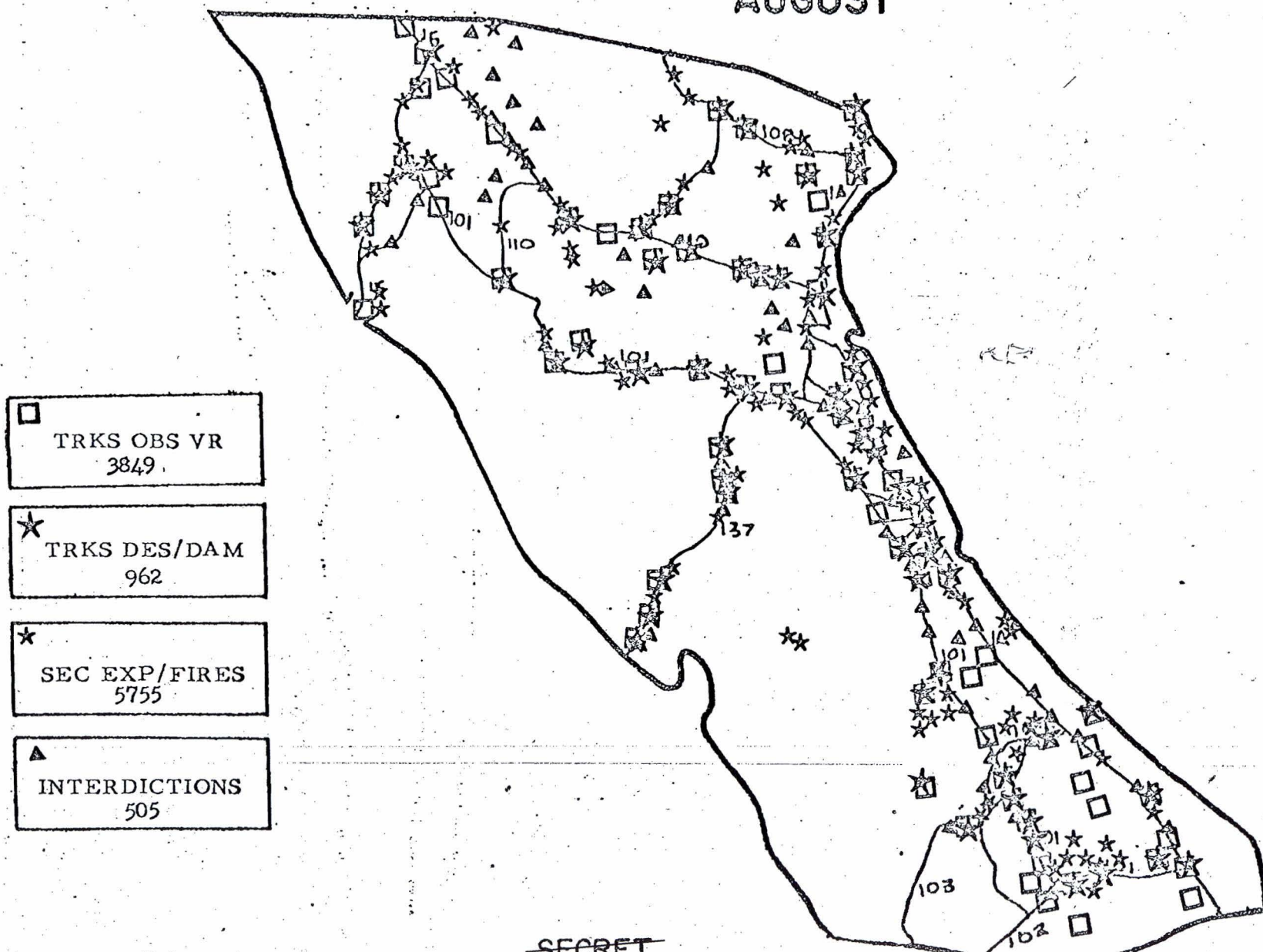
TECHNICAL TEMPLATE

SLIDE 16

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RTE PK I AND TALLY HO

AUGUST



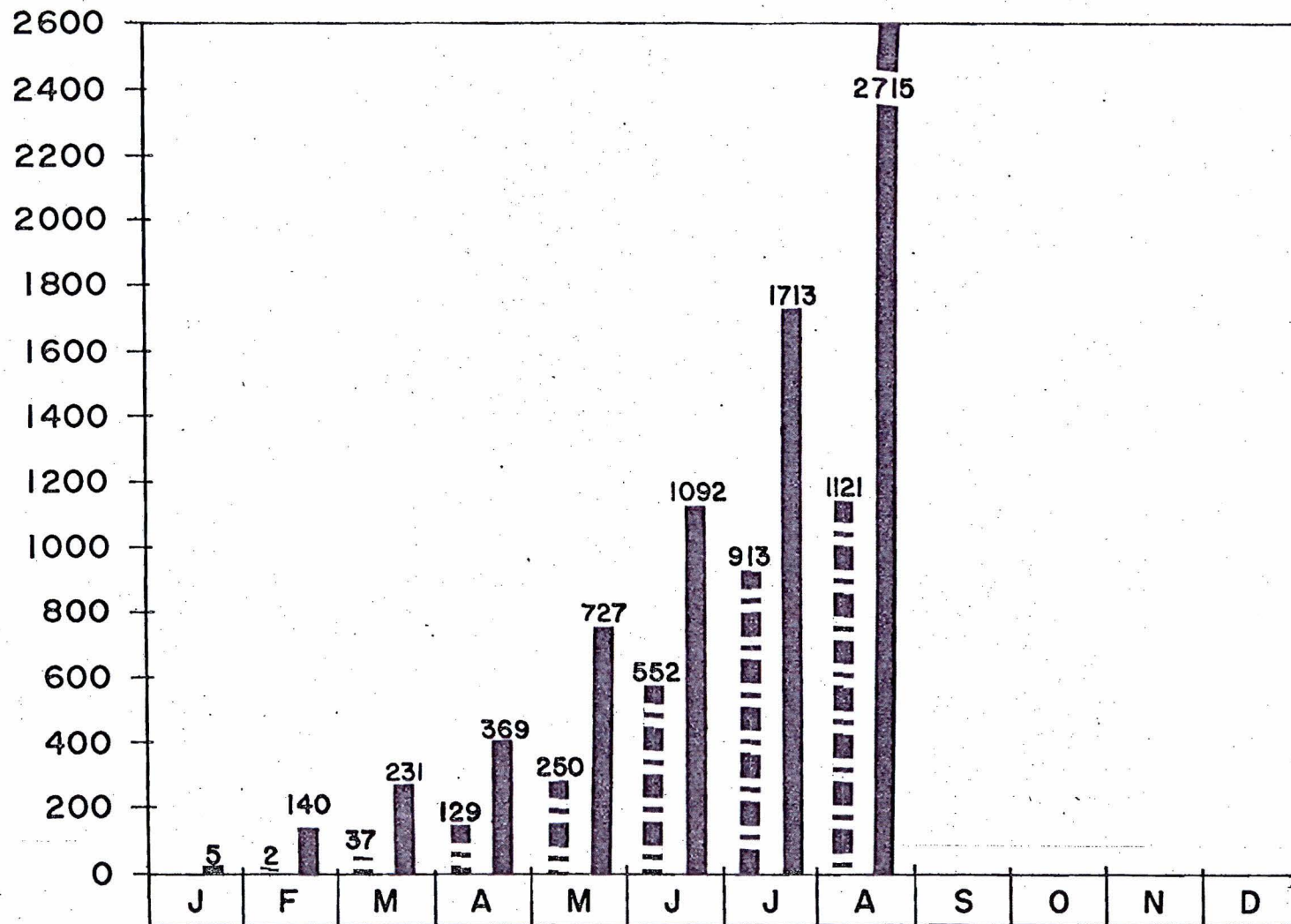
SLIDE 17

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TRUCKS DESTROYED AND DAMAGED

ROUTE PACKAGE I



CUMULATIVE 1966  1967 

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6/27/5

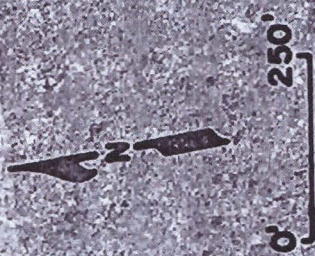
6/27

Slide 19

Slide 20

460 TRW 20 FEB 67
15 DEST/DAM TRUCKS
RTE 15 TOT:1300H

CONF GP-1



Slide 20

QUANTITATIVE ASSESSMENT

ESTIMATED TONS OF SUPPLIES DESTROYED
SINCE MID APRIL 1967

* FROM 1987 DESTROYED TRKS:	5961 TONS
* FROM 577 DAMAGED TRKS:	433 TONS
* FROM 14,050 SEC EXP & FIRES:	3513 TONS

TOTAL SUPPLIES DESTROYED	9,907 TONS
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FIREPOWER
DENIED THE ENEMY

* ASSUME

* 70% OR 6,935 OF THE TOTAL 9,907 TONS
WERE AMMUNITION

* OF THIS 6,935 TONS:

20% WERE SMALL ARMS ROUNDS	1,387 TONS
40% WERE MORTAR ROUNDS	2,774 TONS
30% WERE RECOILLESS RIFLE RNDs	2,080 TONS
10% WERE 120 & 140MM ROCKETS	694 TONS
	<hr/>
	6,935 TONS

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COMBAT SUPPORT

DENIED

THE ENEMY

ON THE

BATTLEFIELD

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TRUCKS

DESTROYED-DAMAGED

3,885

8,644

SHORT TONS

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23

SECONDARY
FIRES - EXPLOSIONS

25,756

4976

SHORT TONS

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SLIDE 25

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26

SUPPLIES

DESTROYED

13,620

SHORT TONS

FINAL

ANALYSIS

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SLIDE 26

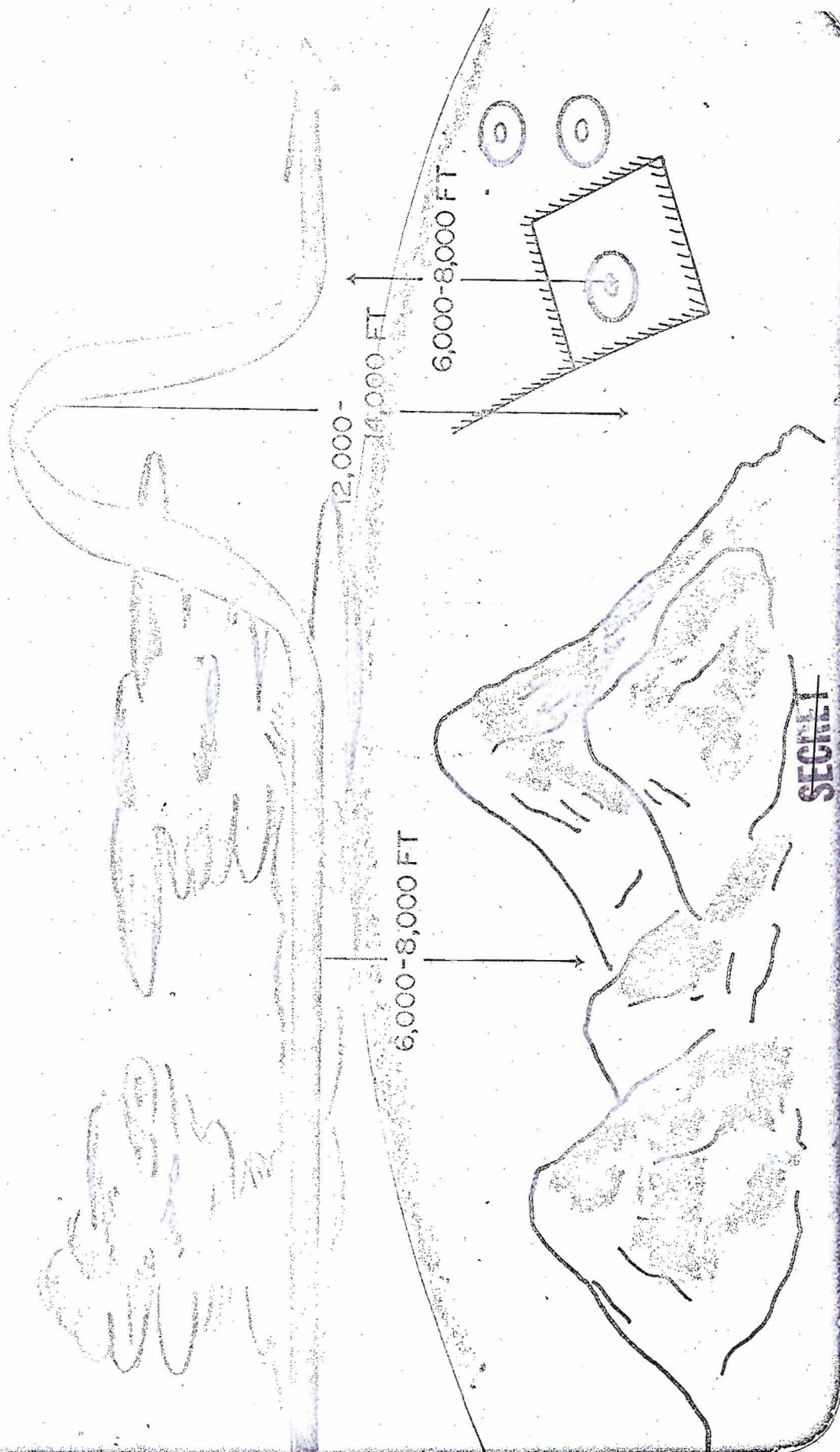
OPERATIONS IN THE NORTH

- FORCE EMPLOYMENT
- AIR EFFECTIVENESS
- INTERDICTION

Slide 28

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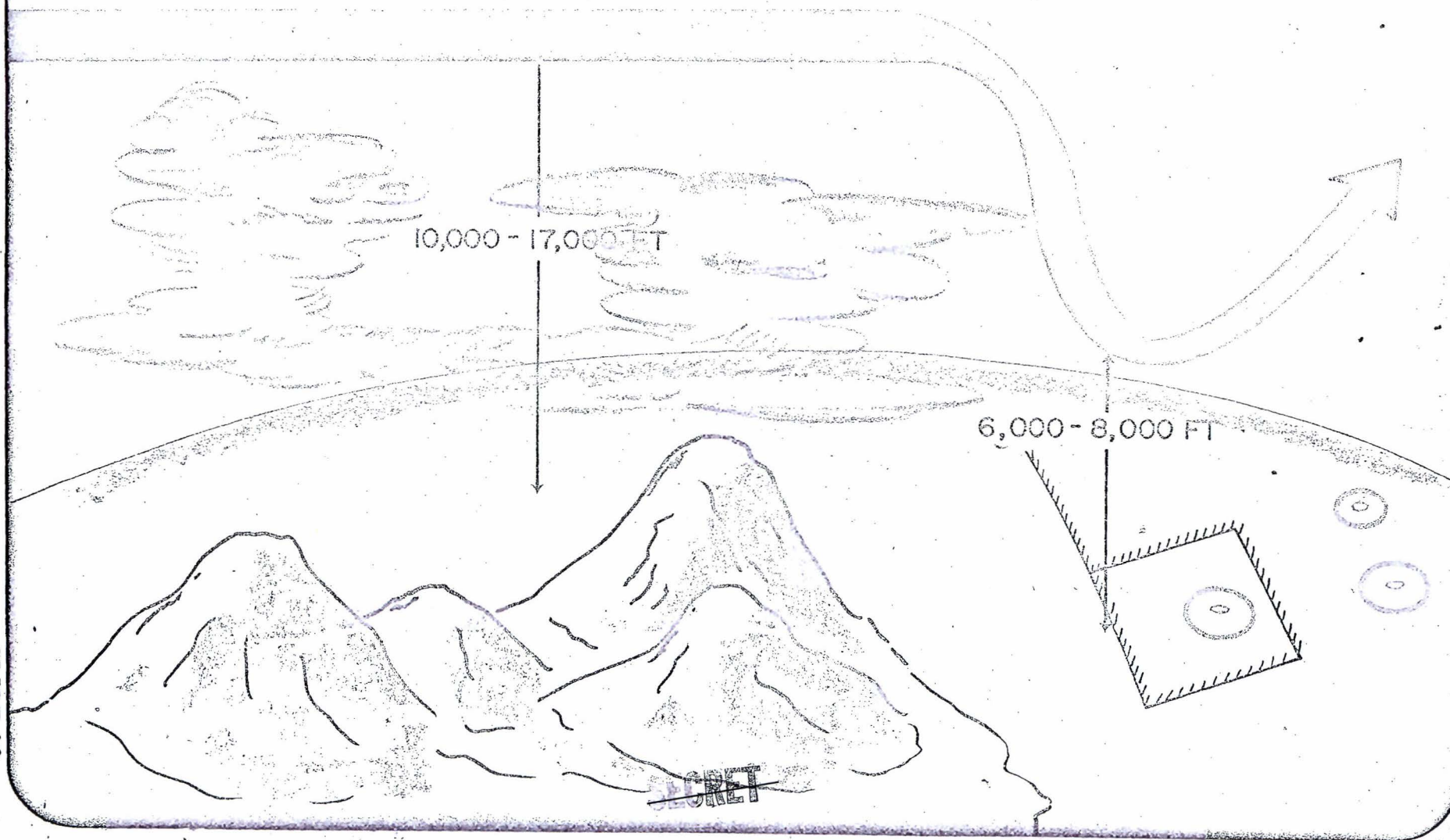
FORMER TACTIC



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OPTIMUM POD TACTIC



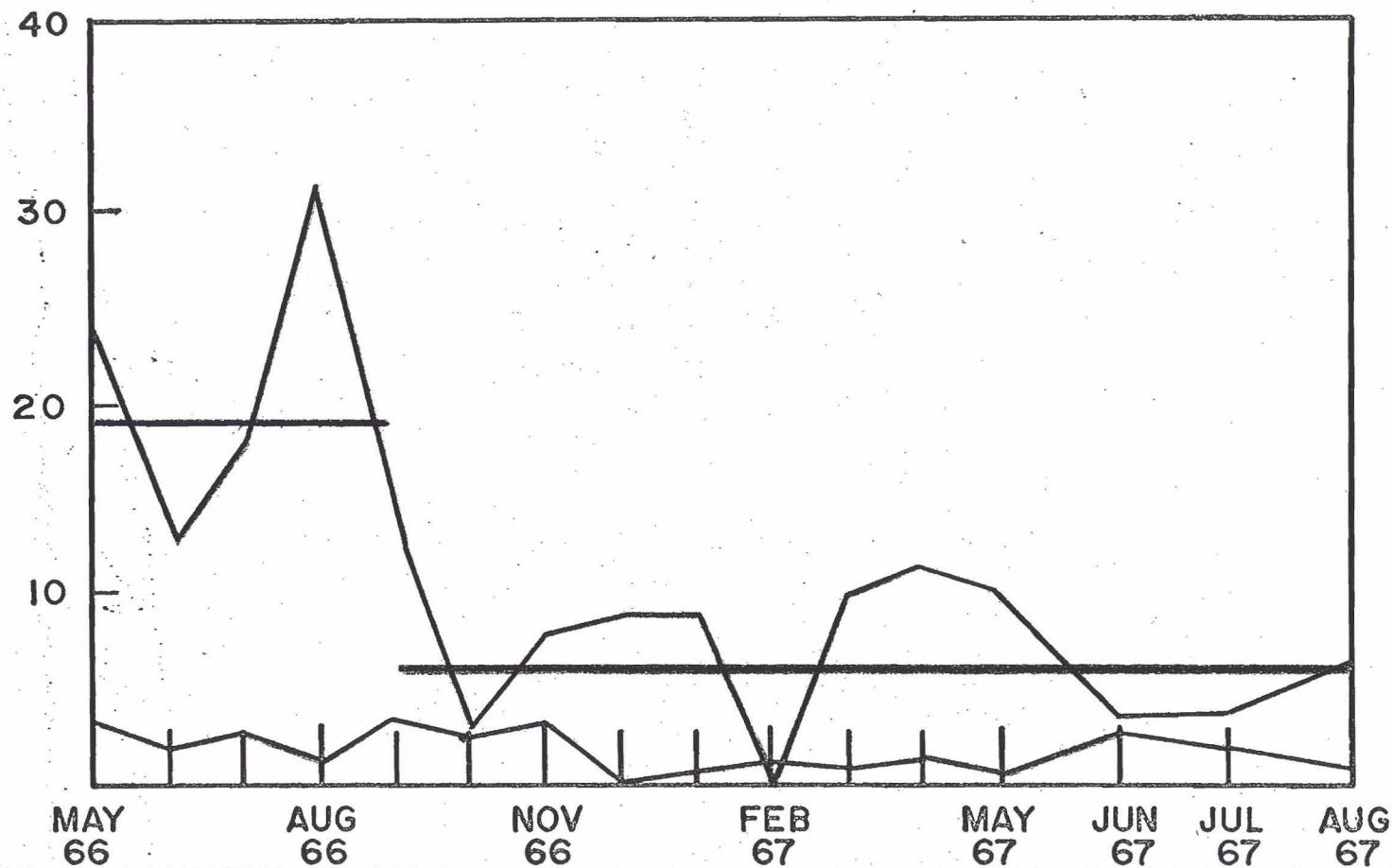
SLIDE 30

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STRIKE AIRCRAFT LOSS RATE

PER 1000 SORTIES



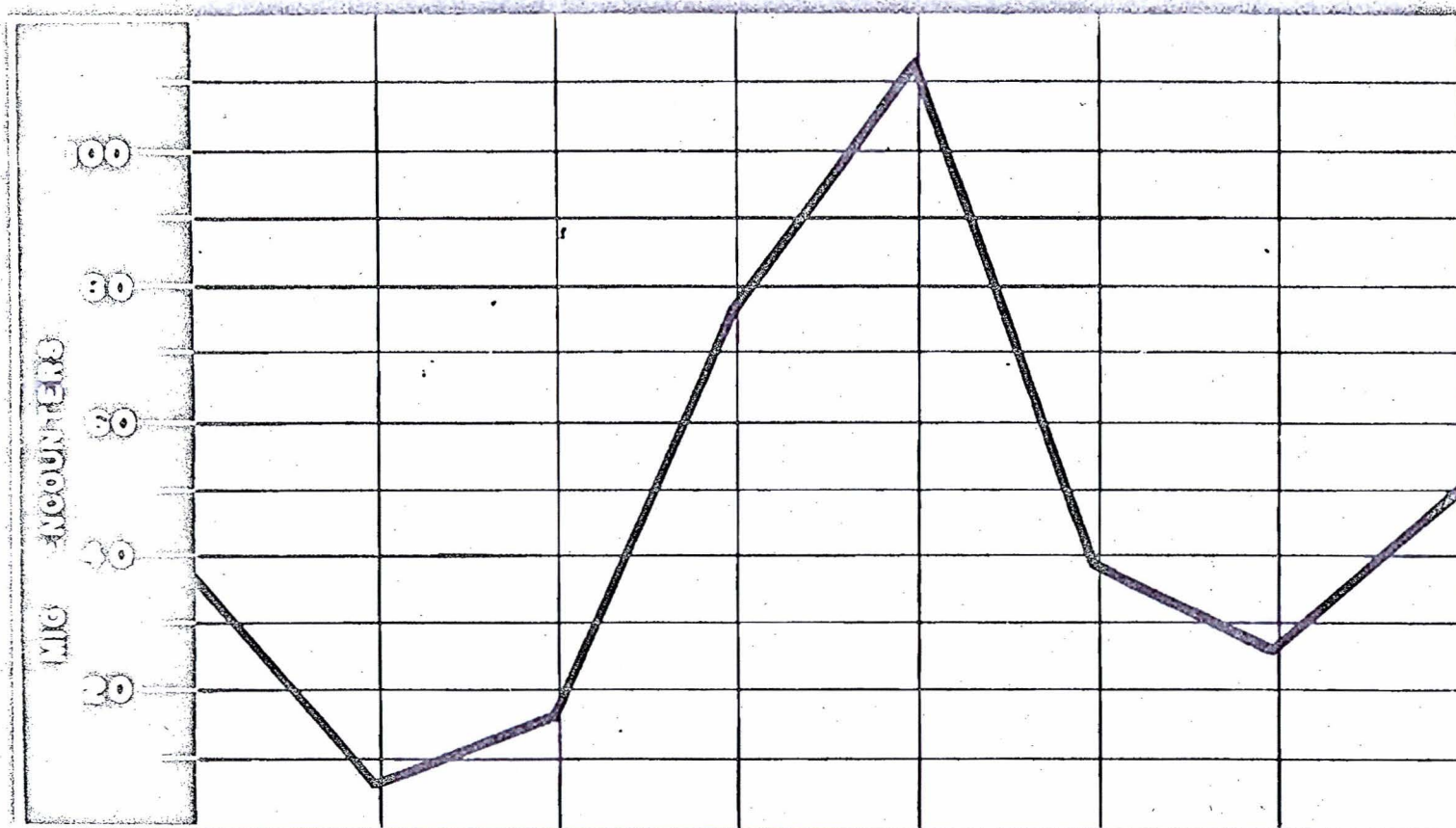
THRU AUG 67

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32

NVNAF MIGS vs US FIGHTERS



MIG KILLS

9

0

2

10

28

5

3

3

TOTAL MIG KILLS

60

SLIDE 32

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32

~~SECRET~~

33

AIR ORDER OF BATTLE

PHUC YEN	21 MIGS
GIA LAM	8 MIGS
KIEN AN	5 MIGS
TOTAL	34 MIGS

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THE IRON TRIANGLE

THAI NGUYEN

KEP

HANOI

● RR YARD

● RR BRIDGE

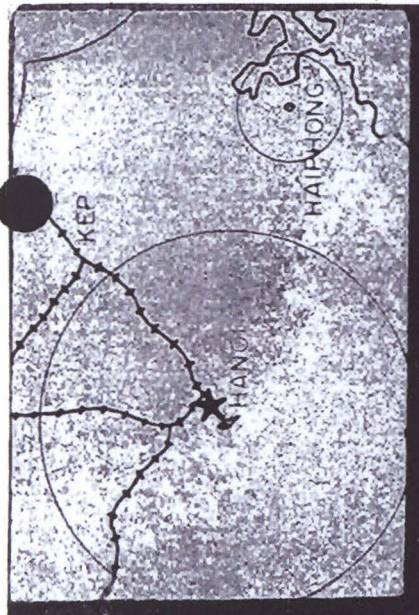
HAIPHONG

SLIDE 34

~~SECRET~~

JCS 13.00 HANOI RR/HWY BR

Slide 35



PRE STRIKE 25 DEC 66

POST STRIKE
432 TRW 30 APR 67
HANOI RR & HWY BR
616-00011 TOT: 1420H

CONF-GP-1

CONFIDENTIAL

HANOI RR CAR REPAIR SHOP

NGUYEN

HANOI

JCS 20 00

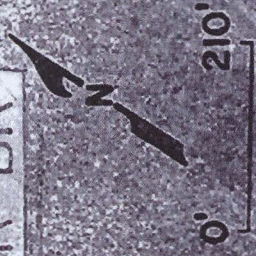
Slide 36





Slide 37

ART 1672 DONG MUC RR BR



CONF GP-1

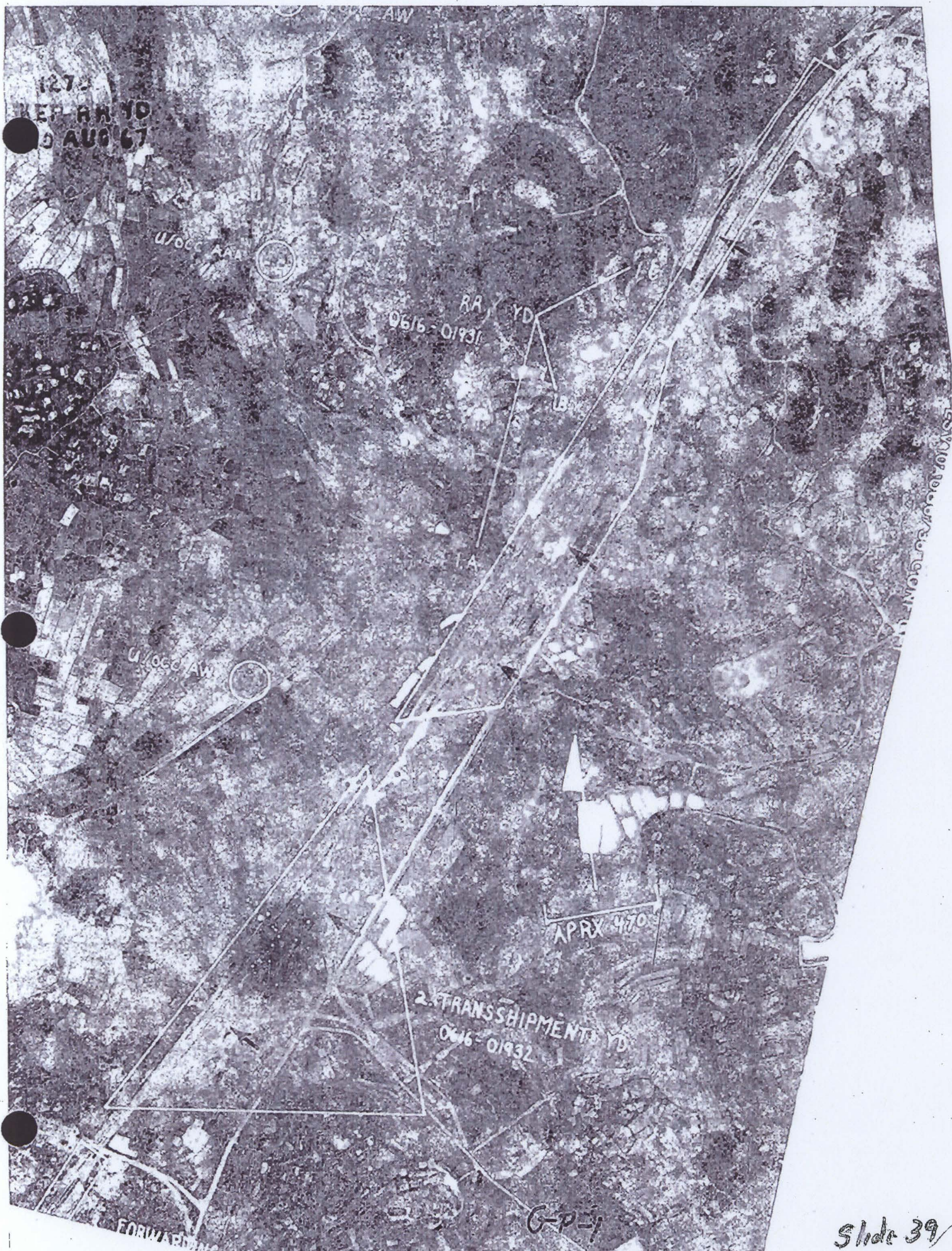
ART 1759 HA GIA RR BR OVER SONG CAU

THAI NGUYEN

Slide 38

HA GIA





Slide 40

00-1

~~CONFIDENTIAL~~



JCS 13.00

GATO RECONNAISSANCE TECHNICAL SQUADRON
SERIAL: 42-92-1787 DATE: 23 AUG 67
NAME: YEN VIENTHAI CLF VMS SCS 122A
COORDS: 200503 N 1033572 E CITY: YN
CAT ORU: 1 IN 616-00221
GT N: 3 IN-ALT: 11 SCALE: 1:10000
TYPE PHOTO: STRIKE
3887FW (CONFIDENTIAL)

~~CONFIDENTIAL~~

Slide 40

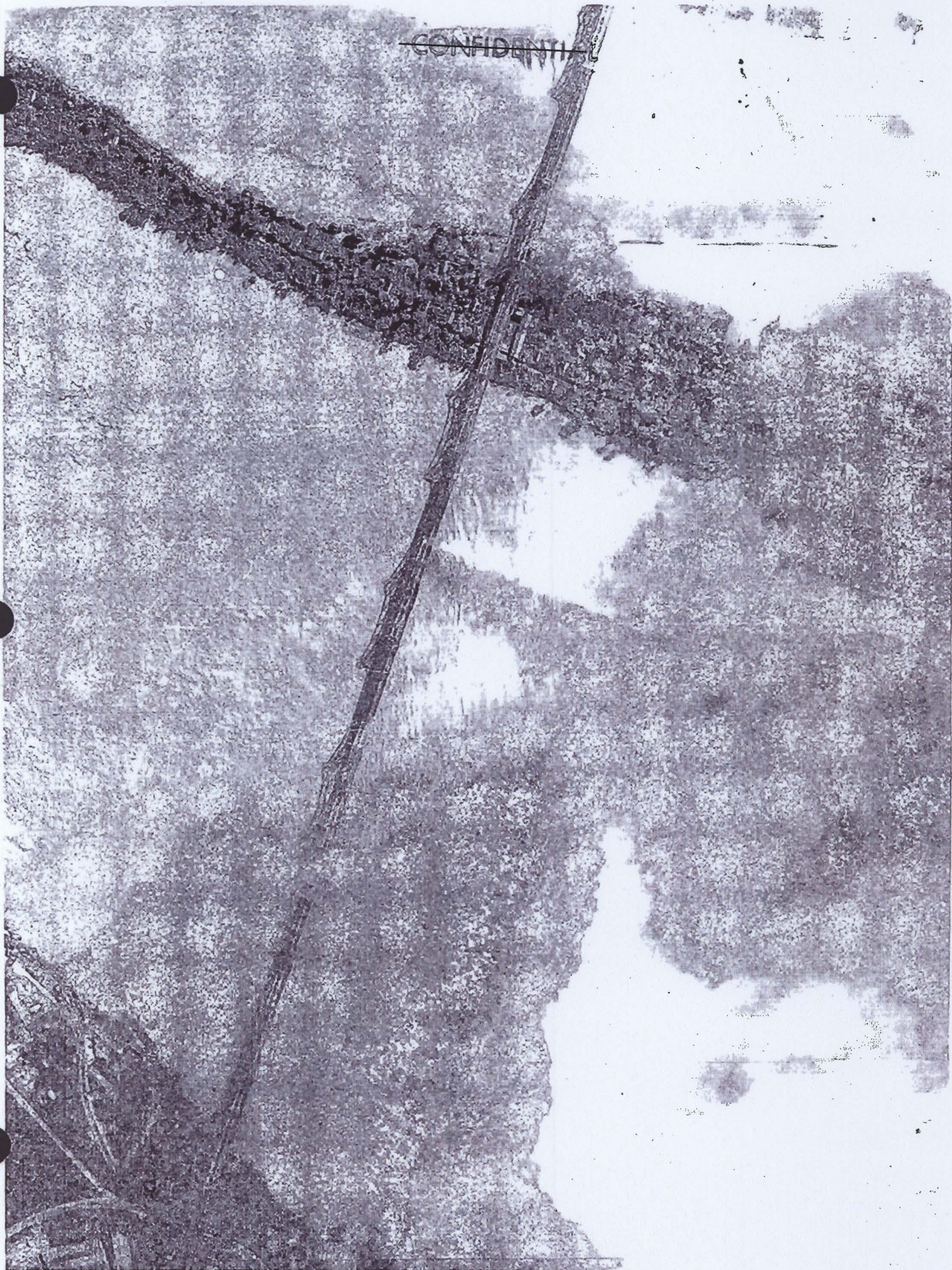
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Slide



Slide 4

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NVN THROUGHPUT DENIAL
1 JUN-30 JUN 67

JUNE

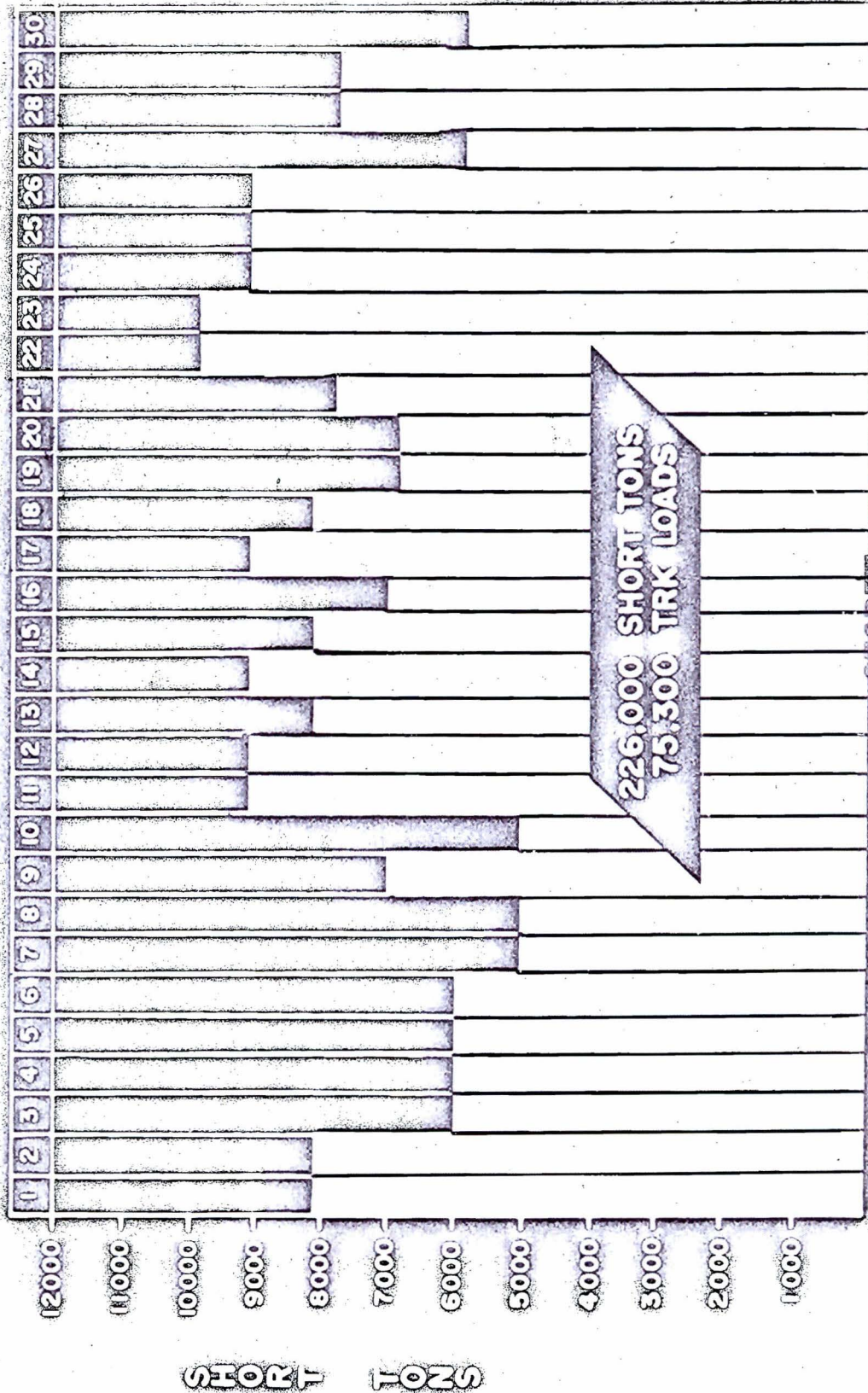
NE RR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
KEY TGS																														
1300																														
1900																														
1600																														
1788																														
1625																														
1823																														
1518																														
1270																														
1079																														
1084																														
1364																														
1907																														
1759																														
1161																														
1539																														
1685																														
1524																														
1162																														
1706																														
1163																														

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NVN INTERDICTION COST IN TRANSHIPMENT

1 JUN - 30 JUN 1967

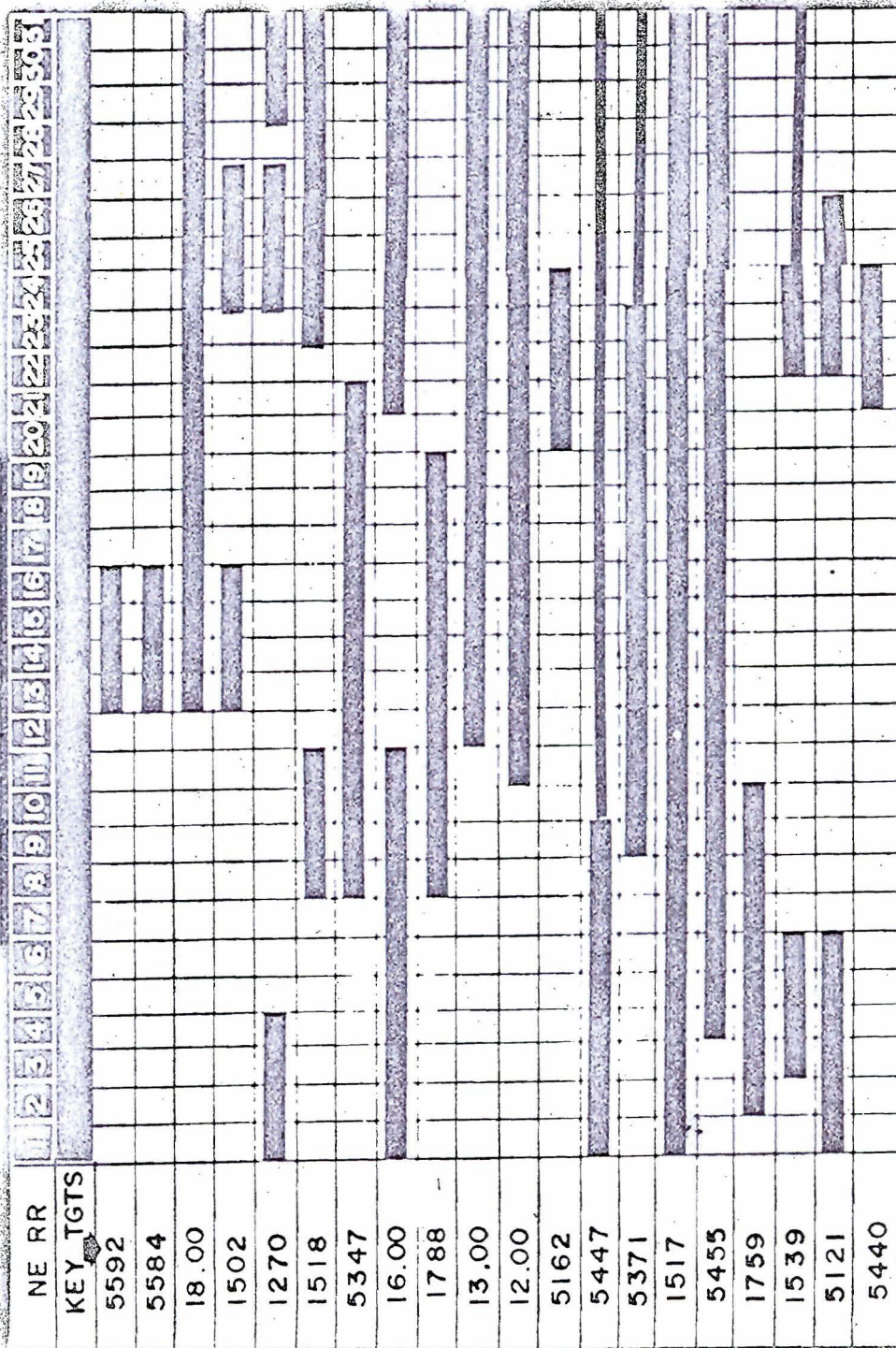


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NVN THROUGHPUT DENIAL

AUGUST



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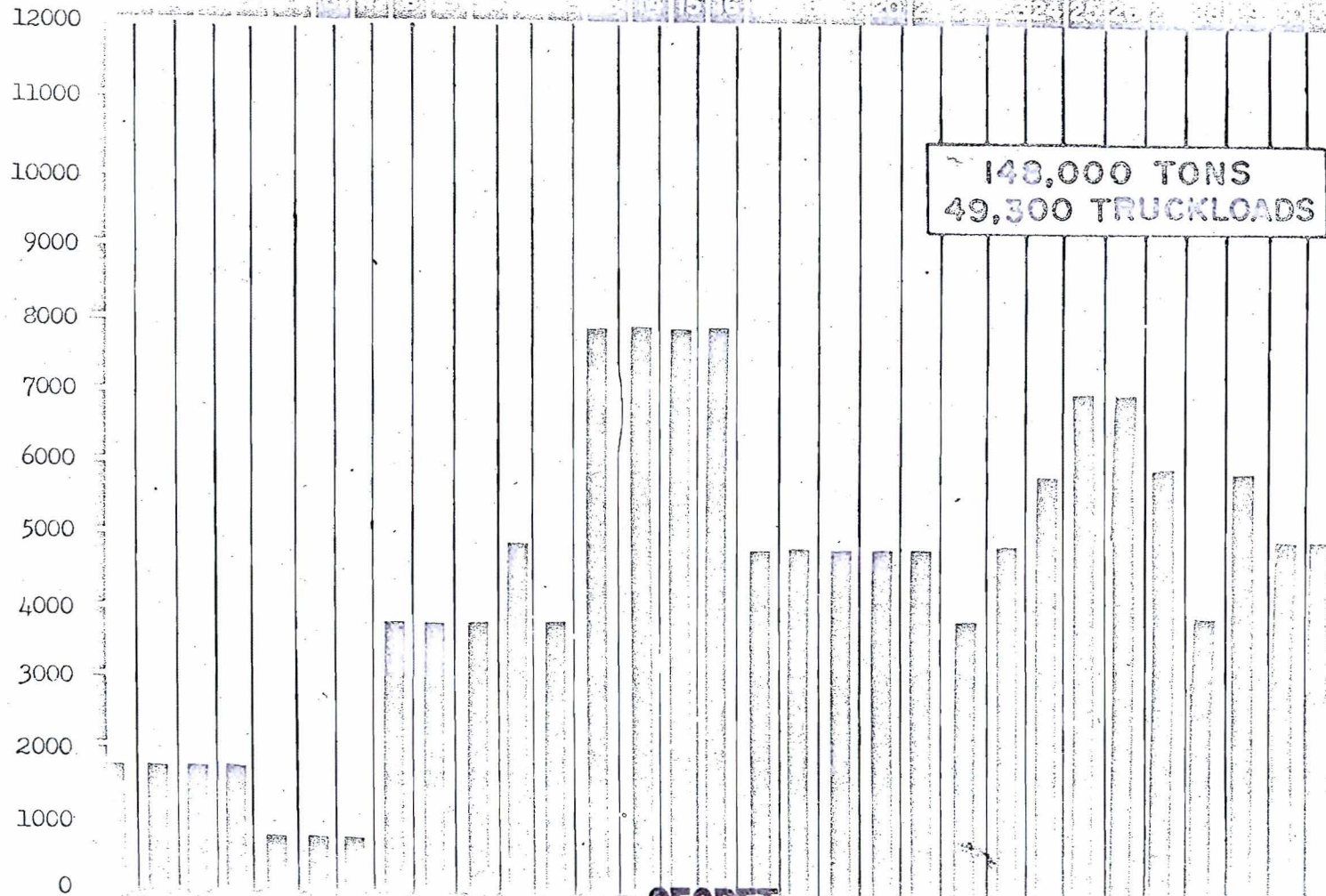
901

NVN INTERDICTION COST IN TRANSHIPMENT

AUGUST

S
H
O
R
T

T
O
N
S



~~SECRET~~

97

~~SECRET~~

47

NVN INTERDICTION COST IN TRANSHIPMENT

SINCE 1 MAY

643,000 SHORT TONS

214,600 TRUCK LOADS

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SLIDE 47

~~SECRET~~

48

★ PRINCIPLE RAIL TARGETS
(FREQUENCY OF STRIKE)
SOUTHWEST MONSOON



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SLIDE 48

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49

MAJOR NVN LOSSES TO USAF ATTACKS

1967

- * 2198 PIECES OF ROLLING STOCK DEST/DAM
- * BRIDGE & BARGE FABRICATION FACILITY DEST
- * 2 MAJOR RAIL CAR REPAIR FACILITIES DEST
- * 51,609 SHORT TONS OF SUPPLIES DEST/DAM
- * 40,950 FEET OF TRACK DEST

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SLIDE 49

~~SECRET~~

50

ENEMY ANTI-AIRCRAFT ARTILLERY

* TOTAL AAA WEAPONS DEPLOYED:

* 7,382

* MONTHLY AMMUNITION REQUIREMENT:

* 25,000 TONS

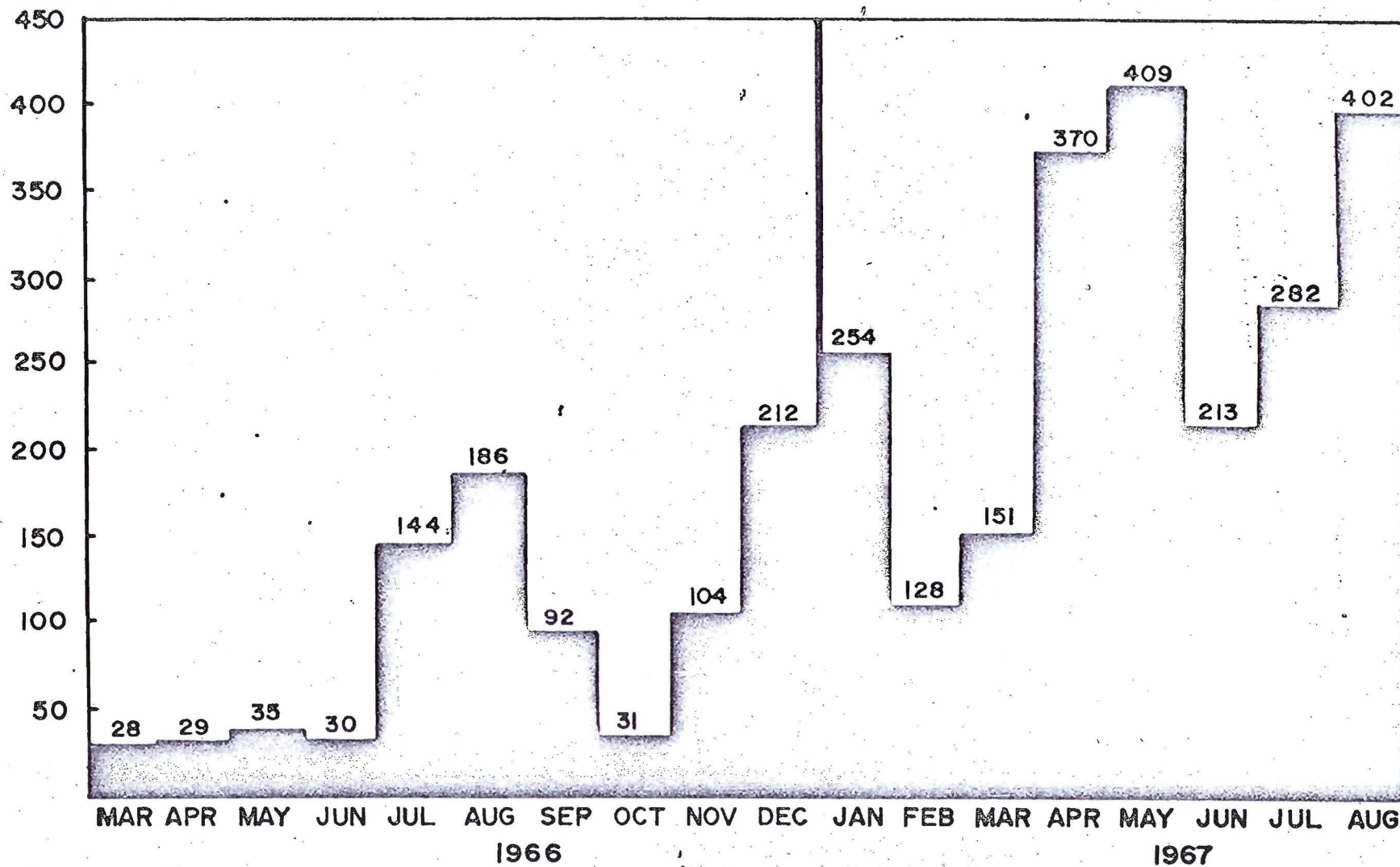
* 8,300 TRUCKLOADS

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SLIDE 50

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NVN SA-2 LAUNCHES



LAUNCH/KILL RATIO 33 FOR 1

LAUNCH/KILL RATIO 56 FOR 1

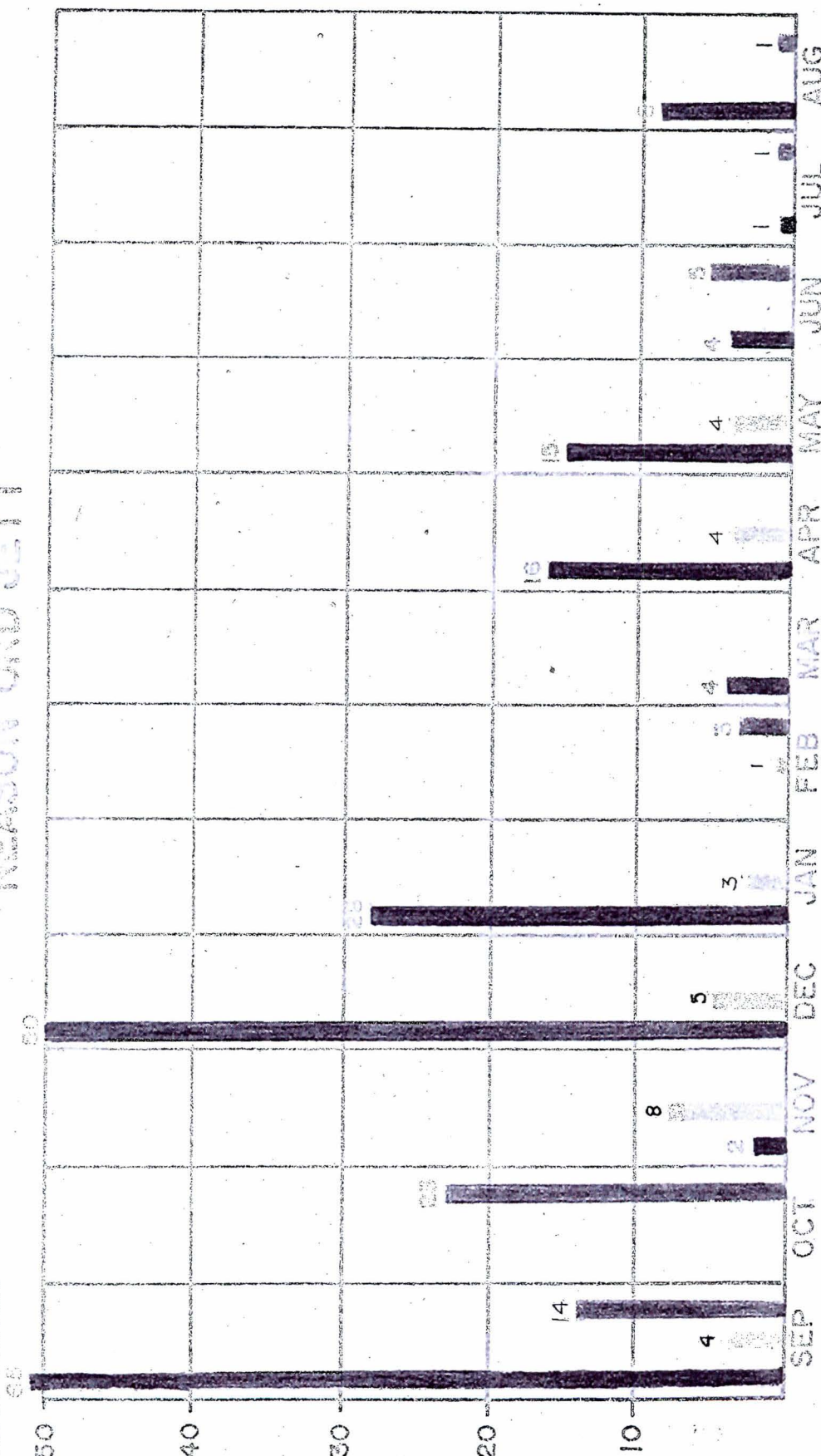
SLIDE 51

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SECRET - USAF ORDNANCE JETTISONED DUE TO ENEMY ACTION

REASON ORD JETT

NR OF SORTIES



MIG

SAM

OF FLAK

SECRET

EFFECTIVENESS FACTORS

- * LEVEL OF EFFORT
- * LOSS RATE
- * SAM FIRINGS
- * AAA FLUCTUATIONS
- * MIG ENGAGEMENTS
- * NE RAILROADS
- * REPAIR CAPABILITY
- * ROLLING STOCK